

Mouse NGF-Receptor (p75)/CD271 Monoclonal Antibody | anti-NGFR antibody

NGF-Receptor (p75)/CD271 (Soft Tissue Tumor Marker)

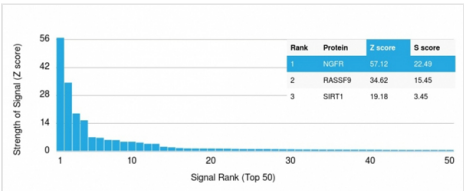
CATALOG # AAA214671	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

NGF-Receptor (p75)/CD271; Monoclonal Antibody; NGF-Receptor (p75)/CD271 (Soft Tissue Tumor Marker); CD271; Gp80-LNGFR; Low affinity nerve growth factor receptor; Low affinity neurotrophin receptor p75NTR; Nerve growth factor receptor (NGFR); p75 ICD; p75 Neurotrophin receptor; Tumor necrosis factor receptor superfamily member 16 (TNFRSF16); anti-NGFR antibody

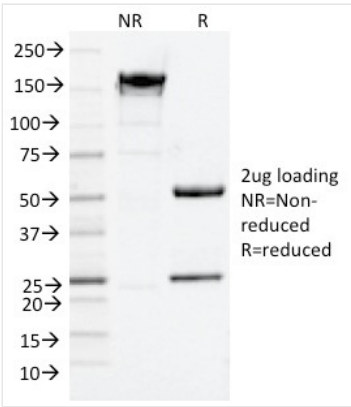
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	NGFR/1964
Specificity	It recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75NGFR) or Neurotrophin Receptor (p75NTR). NGFR is expressed in various neural crest cells and their tumors such as melanocytes, melanomas, neuroblastomas, pheochromocytomas and neurofibromas. Reportedly, anti-NGFR is a reliable marker for desmoplastic and neurotropic melanomas. NGFR is expressed in mature non-neural cells such as perivascular cells, dental pulp cells, lymphoid follicular dendritic cells, basal epithelium of oral mucosa and hair follicles, prostate basal cells, and myoepithelial cells. Anti-NGFR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	427
Applicable Applications for anti-NGFR antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment of human p75 NGFR protein (around aa 281-421)(exact sequence is proprietary)
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	17q21-22
Positive Control	Neuronal axons, Schwann cells, and perineural cells of peripheral nerves, or tumors of nerve sheath differentiation e.g. Schwannoma, Neurofibroma. Soma and axons of sensory neurons, and ganglionic satellite cells. Melanomas.
Preparation and Storage	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Non-hazardous. No MSDS required.



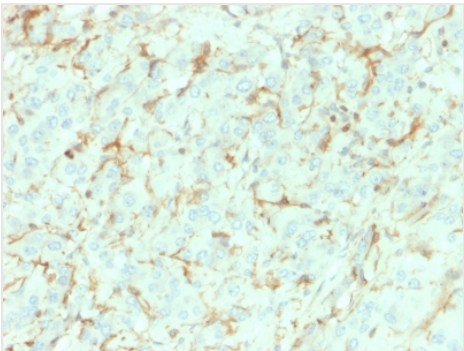
Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using NGFR Mouse Monoclonal Antibody (NGFR/1964). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



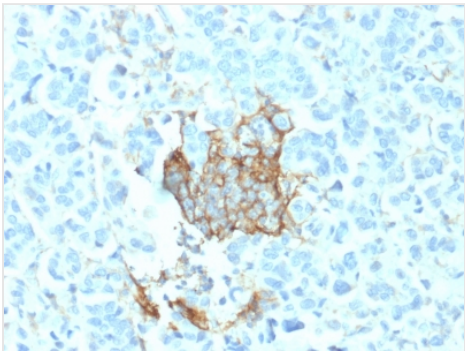
SDS_PAGE

SDS-PAGE Analysis Purified NGFR Mouse Monoclonal Antibody (NGFR/1964).Confirmation of Purity and Integrity of Antibody.



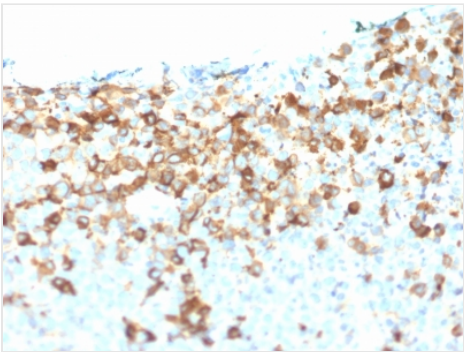
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Adrenal Gland stained with NGFR Mouse Monoclonal Antibody (NGFR/1964).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with NGFR Mouse Monoclonal Antibody (NGFR/1964).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Melanoma stained with NGFR Mouse Monoclonal Antibody (NGFR/1964).

ADDITIONAL INFORMATION

References	Soland, T.M., et al. 2008. Histopathology 53: 62-72. Wang, W., et al. 2009. Eur. J. Surg. Oncol. 35: 826-832.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505393
NCBI GeneID	4804
NCBI Accession #	NP_002498.1

NCBI GenBank Nucleotide #	NM_002507.3
UniProt Accession #	P08138 ; B2R961 ; B4E096
Molecular Weight	75kDa
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 16
NCBI Official Synonym Full Names	nerve growth factor receptor
NCBI Official Symbol	NGFR
NCBI Official Synonym Symbols	CD271; p75NTR; TNFRSF16; p75(NTR); Gp80-LNGFR
NCBI Protein Information	tumor necrosis factor receptor superfamily member 16
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 16
UniProt Gene Name	NGFR
UniProt Synonym Gene Names	TNFRSF16; NGF receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ngf-receptor-p75-cd271-antibody-clone-ngfr-1964-immunohistochemistry-elisa/214671>